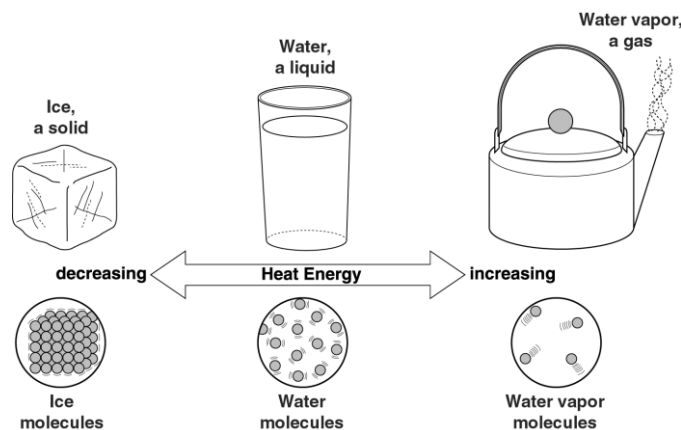


What are the states of matter?

Enrichment Activity

The diagram below shows the states of matter and the state changes of water. Refer to the diagram as you answer the questions.



1. How many states of matter are shown in the diagram? What are these states? _____

2. How many different state changes are shown? Name these changes. _____

3. According to the diagram, which state changes require an increase in heat energy? _____

4. Which state changes require a decrease in heat energy? _____
5. What does the diagram tell you about the particles of a solid? _____

6. How do the particles of a liquid differ from those of a solid? _____

7. Describe the particles of a gas. Compare them to the particles of a solid and of a liquid. _____

8. Based on the diagram, what happens to the particles of a substance as heat energy increases? As heat energy decreases? _____

